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OIKE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/938,330

DATE: 09/10/2001

TIME: 09:23:46

Input Set : A:\LEX-0221-USA SEQLIST.txt

Output Set: N:\CRF3\09102001\I938330.raw

12--> 15 <140> CURRENT APPLICATION NUMBER: US/09/938,330
 13--> 15 <141> CURRENT FILING DATE: 2001-08-22

4 <110> APPLICANT: Walke, D. Wade
 5 Hilbun, Erin
 6 Scoville, John
 7 Friddle, Carl Johan
 8 Hu, Yi
 9 Turner, C. Alexander Jr.
 11 <120> TITLE OF INVENTION: Novel Human Proteases and Polynucleotides Encoding the Same
 13 <130> FILE REFERENCE: LEX-0237-USA
 15 <140> CURRENT APPLICATION NUMBER: US/09/938,330
 15 <141> CURRENT FILING DATE: 2001-08-22
 15 <150> PRIOR APPLICATION NUMBER: US 60/227,104
 16 <151> PRIOR FILING DATE: 2000-08-22
 18 <150> PRIOR APPLICATION NUMBER: US 60/233,796
 19 <151> PRIOR FILING DATE: 2000-09-19
 21 <160> NUMBER OF SEQ ID NOS: 26
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 1356
 27 <212> TYPE: DNA
 28 <213> ORGANISM: homo sapiens
 30 <400> SEQUENCE: 1

31 atggtctccac tccgcgcgct gctgtctctac ctgctgcctt tgcactgtgc gctctgcgcc	60
32 gccgcgggca gccggacccc agagctgcac ctctctggaa agctcagtga ctatgggtgtg	120
33 acagtgcctt gcagcacaga ctttcgggga cgcttctctt cccacgtggt gtctggccca	180
34 gcagcagcct ctgcagggag catggtagtgt gacacgccac ccacactacc acgacactcc	240
35 agtcacctcc ggggtggctcg cagccctctg caccaggag ggaccctgtg gcctggcagg	300
36 gtggggcgcc actccctcta cttcaatgtc actgttttcg ggaaggaaact gcacttgccg	360
37 ctgcggccca atcggagggtt ggtagtgccca ggatcctcag tggagtggca ggaggatttt	420
38 cgggagctgt tccggcagcc cttacggcag gagtgtgtgt aactggagg tgctactgga	480
39 atgcctgggg cagctgttgc catcagcaac tgtgacggat tggcgggcct catccgcaca	540
40 gacagcaccg acttcttcat tgagcctctg gagcggggcc agcaggagaa ggaggccagc	600
41 gggaggacac atgtggtgta ccgccgggag gccgtccagc aggagtgggc agaacctgac	660
42 ggggacctgc acaatgaagc ctttggcctg ggagaccttc ccaacctgct gggcctggtg	720
43 ggggaccagc tgggcgacac agagcggaag cggcggcatg ccaagccagg cagctacagc	780
44 atcgagggtg tgctggtggt ggacgactcg gtggttcgct tccatggcaa ggagcatgtg	840
45 cagaactatg tcttcaccct catgaatatc gtagatgaga tttaccacga tgagtccctg	900
46 ggggttcata taaatattgc cctcgtccgc ttgatcatgg ttggtaccg acagtccctg	960
47 agcctgatcg agcgcgggaa cccctcacgc agcctggagc aggtgtgtcg ctgggcacac	1020
48 tcccagcagc gccaggaccc cagccacgct gagcaccatg accacgttgt gttcctcacc	1080
49 cggcaggact ttgggcccctc agggatatgca cccgtcactg gcatgtgtca cccctgagg	1140
50 agctgtgccc tcaacctatga ggatggcttc tctcagcct tctgtatagc tcatgagacc	1200
51 ggccacgtgc tcggcatgga gcatgacggt caggggaatg gctgtgcaga tgagaccagc	1260
52 ctgggcagcg tcatggcgcc cctggtgcag gctgccttcc accgcttcca ttgggtccgcg	1320
53 tgcagcaagc tggagctcag ccgtacctc ccgtag	1356

55 <210> SEQ ID NO: 2
 56 <211> LENGTH: 451
 57 <212> TYPE: PRT

ENTERED

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58 <213> ORGANISM: homo sapiens
60 <400> SEQUENCE: 2
61 Met Ala Pro Leu Arg Ala Leu Leu Ser Tyr Leu Leu Pro Leu His Cys
62 1 5 10 15
63 Ala Leu Cys Ala Ala Ala Gly Ser Arg Thr Pro Glu Leu His Leu Ser
64 20 25 30
65 Gly Lys Leu Ser Asp Tyr Gly Val Thr Val Pro Cys Ser Thr Asp Phe
66 35 40 45
67 Arg Gly Arg Phe Leu Ser His Val Val Ser Gly Pro Ala Ala Ala Ser
68 50 55 60
69 Ala Gly Ser Met Val Val Asp Thr Pro Pro Thr Leu Pro Arg His Ser
70 65 70 75 80
71 Ser His Leu Arg Val Ala Arg Ser Pro Leu His Pro Gly Gly Thr Leu
72 85 90 95
73 Trp Pro Gly Arg Val Gly Arg His Ser Leu Tyr Phe Asn Val Thr Val
74 100 105 110
75 Phe Gly Lys Glu Leu His Leu Arg Leu Arg Pro Asn Arg Arg Leu Val
76 115 120 125
77 Val Pro Gly Ser Ser Val Glu Trp Gln Glu Asp Phe Arg Glu Leu Phe
78 130 135 140
79 Arg Gln Pro Leu Arg Gln Glu Cys Val Tyr Thr Gly Gly Val Thr Gly
80 145 150 155 160
81 Met Pro Gly Ala Ala Val Ala Ile Ser Asn Cys Asp Gly Leu Ala Gly
82 165 170 175
83 Leu Ile Arg Thr Asp Ser Thr Asp Phe Phe Ile Glu Pro Leu Glu Arg
84 180 185 190
85 Gly Gln Gln Glu Lys Glu Ala Ser Gly Arg Thr His Val Val Tyr Arg
86 195 200 205
87 Arg Glu Ala Val Gln Gln Glu Trp Ala Glu Pro Asp Gly Asp Leu His
88 210 215 220
89 Asn Glu Ala Phe Gly Leu Gly Asp Leu Pro Asn Leu Leu Gly Leu Val
90 225 230 235 240
91 Gly Asp Gln Leu Gly Asp Thr Glu Arg Lys Arg Arg His Ala Lys Pro
92 245 250 255
93 Gly Ser Tyr Ser Ile Glu Val Leu Leu Val Val Asp Asp Ser Val Val
94 260 265 270
95 Arg Phe His Gly Lys Glu His Val Gln Asn Tyr Val Leu Thr Leu Met
96 275 280 285
97 Asn Ile Val Asp Glu Ile Tyr His Asp Glu Ser Leu Gly Val His Ile
98 290 295 300
99 Asn Ile Ala Leu Val Arg Leu Ile Met Val Gly Tyr Arg Gln Ser Leu
100 305 310 315 320
101 Ser Leu Ile Glu Arg Gly Asn Pro Ser Arg Ser Leu Glu Gln Val Cys
102 325 330 335
103 Arg Trp Ala His Ser Gln Gln Arg Gln Asp Pro Ser His Ala Glu His
104 340 345 350
105 His Asp His Val Val Phe Leu Thr Arg Gln Asp Phe Gly Pro Ser Gly
106 355 360 365
107 Tyr Ala Pro Val Thr Gly Met Cys His Pro Leu Arg Ser Cys Ala Leu

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108      370      375      380
109 Asn His Glu Asp Gly Phe Ser Ser Ala Phe Val Ile Ala His Glu Thr
110 385      390      395      400
111 Gly His Val Leu Gly Met Glu His Asp Gly Gln Gly Asn Gly Cys Ala
112      405      410      415
113 Asp Glu Thr Ser Leu Gly Ser Val Met Ala Pro Leu Val Gln Ala Ala
114      420      425      430
115 Phe His Arg Phe His Trp Ser Arg Cys Ser Lys Leu Glu Leu Ser Arg
116      435      440      445
117 Tyr Leu Pro
118      450
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 894
122 <212> TYPE: DNA
123 <213> ORGANISM: homo sapiens
125 <400> SEQUENCE: 3
126 atggctccac tccgcgcgct gctgtcctac ctgctgcctt tgcactgtgc gctctgcrcc      60
127 gccgcgggca gccggacccc agagctgcac ctctctggaa agctcagtga ctatgggtgtg      120
128 acagtgcctt gcagcacaga ctttcgggga cgcttctctt cccacgtggt gtctggccca      180
129 gcagcagcct ctgcaggag catggtagtg gacacgccac ccacactacc acgacactcc      240
130 agtcacctcc ggtggctctg cagccctctg caccaggag ggacctgtg gcctggcagg      300
131 gtggggcgcc actccctcta cttcaatgtc actgtttctg ggaaggaact gcaattgcgc      360
132 ctgcggccca atcggaggtt ggtagtgccg ggatcctcag tggagtggca ggaggatttt      420
133 cgggagctgt tccggcagcc cttacggcag gagtgtgtgt aactggagg tgtcactgga      480
134 atgcctgggg cagctgttgc catcagcaac tgtgacggat tggcgggcct catccgcaca      540
135 gacagcaccg acttcttcat tgagcctctg gacgggggcc agcaggagaa ggaggccagc      600
136 gggaggacac atgtggtgta ccgccgggag gccgtccagc aggagtgggc agaacctgac      660
137 ggggacctgc acaatgaagc ctttggcctg ggagaccttc ccaacctgct gggcctggtg      720
138 ggggaccagc tgggcgacac agagcggaag cggcggcatg ccaagccagg cagctacagc      780
139 atcgaggtgc tgcctggtgt ggacgactcg gtggttcgct tccatggcaa ggagcatgtg      840
140 cagaactatg tcttcacctt catgaatatc gtgtgcttac aggggaagtcc ataa      894
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143 <211> LENGTH: 297
144 <212> TYPE: PRT
145 <213> ORGANISM: homo sapiens
147 <400> SEQUENCE: 4
148 Met Ala Pro Leu Arg Ala Leu Leu Ser Tyr Leu Leu Pro Leu His Cys
149 1      5      10      15
150 Ala Leu Cys Thr Ala Ala Gly Ser Arg Thr Pro Glu Leu His Leu Ser
151      20      25      30
152 Gly Lys Leu Ser Asp Tyr Gly Val Thr Val Pro Cys Ser Thr Asp Phe
153      35      40      45
154 Arg Gly Arg Phe Leu Ser His Val Val Ser Gly Pro Ala Ala Ala Ser
155      50      55      60
156 Ala Gly Ser Met Val Val Asp Thr Pro Pro Thr Leu Pro Arg His Ser
157 65      70      75      80
158 Ser His Leu Arg Val Ala Arg Ser Pro Leu His Pro Gly Gly Thr Leu
159      85      90      95
160 Trp Pro Gly Arg Val Gly Arg His Ser Leu Tyr Phe Asn Val Thr Val

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161          100          105          110
162 Phe Gly Lys Glu Leu His Leu Arg Leu Arg Pro Asn Arg Arg Leu Val
163          115          120          125
164 Val Pro Gly Ser Ser Val Glu Trp Gln Glu Asp Phe Arg Glu Leu Phe
165          130          135          140
166 Arg Gln Pro Leu Arg Gln Glu Cys Val Tyr Thr Gly Gly Val Thr Gly
167 145          150          155          160
168 Met Pro Gly Ala Ala Val Ala Ile Ser Asn Cys Asp Gly Leu Ala Gly
169          165          170          175
170 Leu Ile Arg Thr Asp Ser Thr Asp Phe Phe Ile Glu Pro Leu Glu Arg
171          180          185          190
172 Gly Gln Gln Glu Lys Glu Ala Ser Gly Arg Thr His Val Val Tyr Arg
173          195          200          205
174 Arg Glu Ala Val Gln Gln Glu Trp Ala Glu Pro Asp Gly Asp Leu His
175          210          215          220
176 Asn Glu Ala Phe Gly Leu Gly Asp Leu Pro Asn Leu Leu Gly Leu Val
177 225          230          235          240
178 Gly Asp Gln Leu Gly Asp Thr Glu Arg Lys Arg Arg His Ala Lys Pro
179          245          250          255
180 Gly Ser Tyr Ser Ile Glu Val Leu Leu Val Val Asp Asp Ser Val Val
181          260          265          270
182 Arg Phe His Gly Lys Glu His Val Gln Asn Tyr Val Leu Thr Leu Met
183          275          280          285
184 Asn Ile Val Cys Leu Gln Gly Ser Pro
185          290          295
187 <210> SEQ ID NO: 5
188 <211> LENGTH: 1461
189 <212> TYPE: DNA
190 <213> ORGANISM: homo sapiens
192 <400> SEQUENCE: 5
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194 gccgcgggca gccggacccc agagctgcac ctctctggaa agctcagtga ctatggtgtg 120
195 acagtgcctt gcagcacaga ctttcgggga cgttctctct cccacgtggt gtctggccca 180
196 gcagcagcct ctgcagggag catggtagtg gacacgccac ccacactacc acgacactcc 240
197 agtcacctcc ggggtggtcg cagccctctg caccacaggag ggacctgtg gcctggcagg 300
198 gtggggcgcc actccctota cttcaatgtc actgttttcg ggaaggaact gcacttgcgc 360
199 ctgcggccca atcggagggt ggtagtgccg ggatcctcag tggagtggca ggaggatttt 420
200 cgggagctgt tccggcagcc cttacggcag gagtgtgtgt aactggagg tgtcactgga 480
201 atgcctgggg cagctgtttgc catcagcaac tgtgacggat tggcgggcct catccgcaca 540
202 gacagcaccg acttcttcat tgagcctctg gagcggggcc agcaggagaa ggaggccagc 600
203 gggaggacac atgtggtgta ccgcccggag gccgtccagc aggagtgggc agaacctgac 660
204 ggggacctgc acaatgaagc ctttgccctg ggagaccttc ccaacctgct gggcctggtg 720
205 ggggaccagc tgggcgacac agagcgggaag cggcggcatg ccaagccagg cagctacagc 780
206 atcgaggtgc tgctggtggt ggacgactcg gtggttcgct tccatggcaa ggagcatgtg 840
207 cagaactatg tctcaccct catgaatatc gtagatgaga tttaccacga tgagtccctg 900
208 ggggttcata taaatattgc cctcgtccgc ttgatcatgg ttggctaccg acagtccctg 960
209 agcctgatcg agcgcgggaa cccctcacgc agcctggagc aggtgtgtcg ctgggcacac 1020
210 tcccagcagc gccaggaccc cagccacgct gagcaccatg accacgttgt gttcctcacc 1080
211 cggcaggact ttgggcccctc agggatatgca cccgtcactg gcatgtgtca cccctgagg 1140

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Input Set : A:\LEX-0221-USA SEQLIST.txt

Output Set: N:\CRF3\09102001\I938330.raw

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212 agctgtgccc tcaaccatga ggatggcttc tcctcagcct tcgtgatagc tcatgagacc 1200
213 ggccacgtgc tcggcatgga gcatgacggt caggggaatg gctgtgcaga tgagaccagc 1260
214 ctgggcagcg tcatggcgcc cctgggtgcag gctgccttcc accgcttcca ttggtccgcg 1320
215 tgcagcaagc tggagctcag ccgctacctc cctcctacg actgcctcct cgatgacccc 1380
216 tttgatcctg ccacctgccc gggcgccgcg tcgagcccta tagtgagtcg tattaggatg 1440
217 gccgccactc cctttactta a 1461
219 <210> SEQ ID NO: 6
220 <211> LENGTH: 486
221 <212> TYPE: PRT
222 <213> ORGANISM: homo sapiens
224 <400> SEQUENCE: 6
225 Met Ala Pro Leu Arg Ala Leu Leu Ser Tyr Leu Leu Pro Leu His Cys
226 1 5 10 15
227 Ala Leu Cys Thr Ala Ala Gly Ser Arg Thr Pro Glu Leu His Leu Ser
228 20 25 30
229 Gly Lys Leu Ser Asp Tyr Gly Val Thr Val Pro Cys Ser Thr Asp Phe
230 35 40 45
231 Arg Gly Arg Phe Leu Ser His Val Val Ser Gly Pro Ala Ala Ala Ser
232 50 55 60
233 Ala Gly Ser Met Val Val Asp Thr Pro Pro Thr Leu Pro Arg His Ser
234 65 70 75 80
235 Ser His Leu Arg Val Ala Arg Ser Pro Leu His Pro Gly Gly Thr Leu
236 85 90 95
237 Trp Pro Gly Arg Val Gly Arg His Ser Leu Tyr Phe Asn Val Thr Val
238 100 105 110
239 Phe Gly Lys Glu Leu His Leu Arg Leu Arg Pro Asn Arg Arg Leu Val
240 115 120 125
241 Val Pro Gly Ser Ser Val Glu Trp Gln Glu Asp Phe Arg Glu Leu Phe
242 130 135 140
243 Arg Gln Pro Leu Arg Gln Glu Cys Val Tyr Thr Gly Gly Val Thr Gly
244 145 150 155 160
245 Met Pro Gly Ala Ala Val Ala Ile Ser Asn Cys Asp Gly Leu Ala Gly
246 165 170 175
247 Leu Ile Arg Thr Asp Ser Thr Asp Phe Phe Ile Glu Pro Leu Glu Arg
248 180 185 190
249 Gly Gln Gln Glu Lys Glu Ala Ser Gly Arg Thr His Val Val Tyr Arg
250 195 200 205
251 Arg Glu Ala Val Gln Gln Glu Trp Ala Glu Pro Asp Gly Asp Leu His
252 210 215 220
253 Asn Glu Ala Phe Gly Leu Gly Asp Leu Pro Asn Leu Leu Gly Leu Val
254 225 230 235 240
255 Gly Asp Gln Leu Gly Asp Thr Glu Arg Lys Arg Arg His Ala Lys Pro
256 245 250 255
257 Gly Ser Tyr Ser Ile Glu Val Leu Leu Val Val Asp Asp Ser Val Val
258 260 265 270
259 Arg Phe His Gly Lys Glu His Val Gln Asn Tyr Val Leu Thr Leu Met
260 275 280 285
261 Asn Ile Val Asp Glu Ile Tyr His Asp Glu Ser Leu Gly Val His Ile
262 290 295 300

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/938,330

DATE: 09/10/2001

TIME: 09:23:47

Input Set : A:\LEX-0221-USA SEQLIST.txt

Output Set: N:\CRF3\09102001\I938330.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date